

Today's Agenda

- Prepare for test
 - speed test
 - Solving inverse trig problems, $\tan^{-1}(\sqrt{3})$
 - Solving inverse trig equations, $\sin^2 x - 4\sin x - 5$
 - The review from yesterday is a practice test
- Work on Ferris Wheel
 - Turn in whole project
 - Staple rubric on front
 - 7 equation
 - y_1 - vert pos.
 - y_2 - horz pos
 - ~~y_3 - drop w/o vel.~~
 - y_4 - horz. vel
 - y_5 - vert vel
 - y_6 - drop w/ vel
 - y_7 - cart

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Final Write Up

2nd step
10 sec.

Step 1

- Problem Statement - reword the problem in your own words
- Your solution → "you should wait ____ seconds before dropping the dart"
- Explanation of how you found your solution (be detailed)
- Why answer is reasonable

$y_1 = \text{vert. Pos}$
 $y_2 = \text{Horiz. Pos}$
 $y_3 = \text{Drop time w/ vel.}$
 $y_4 = \text{vert. vel.}$
 $y_5 = \text{Horiz. vel.}$
 $y_6 = \text{Cart}$